

What is claimed is:

- 1 *Sub A1* 1. A method comprising:
 2 generating a first set of commands for an imaging device during a first time
 3 interval, the first set of commands being associated with a first task to be performed by
 4 the imaging device;
 5 generating a second set of commands for the imaging device during a second time
 6 interval that overlaps the first time interval, the second set of commands being associated
 7 with a second task to be performed by the imaging device;
 8 transmitting the first set of commands to the imaging device during a third time
 9 interval; and
 10 transmitting the second set of commands to the imaging device during a fourth
 11 time interval that does not overlap the third time interval.

Sub B1 2. The method of claim 1, wherein the act of transmitting the first set of
 2 commands includes packaging the first set of commands together to form a command
 3 packet.

1 3. The method of claim 1, wherein the imaging device comprises a camera.

1 4. The method of claim 1, wherein one of the first and second tasks
 2 comprises setup of the imaging device to capture a video image and capture of the video
 3 image.

1 5. The method of claim 1, wherein one of the first and second tasks
 2 comprises setup of the imaging device to capture a still image and capture of the still
 3 image.

1 6. An article comprising a computer readable storage medium including
2 instructions to cause a processor to:
3 generate a first set of commands for an imaging device during a first time interval,
4 the first set of commands being associated with a first task to be performed by the
5 imaging device;
6 generate a second set of commands for the imaging device during a second time
7 interval that overlaps the first time interval, the second set of commands being associated
8 with a second task to be performed by the imaging device;
9 transmit the first set of commands to the imaging device during a third time
10 interval; and
11 transmit the second set of commands to the imaging device during a fourth time
12 interval that does not overlap the third time interval.

1 7. The article of claim 6, wherein one of the first and second tasks comprises
2 setup of the imaging device to capture a video image and capture of the video image.

1 8. The article of claim 6, wherein one of the first and second tasks comprises
2 setup of the imaging device to capture a still image and capture of the still image.

1 9. The article of claim 6, wherein the imaging device comprises a camera.

1 14. An article comprising a computer readable storage medium including
2 instructions to cause a computer to:
3 receive a first set of commands for an imaging device, the first set of commands
4 being generated by execution of a first application program;
5 receive a second set of commands for the imaging device during the generation of
6 the first set of commands, the second set of commands being associated with a second
7 task to be performed by the imaging device and being generated by the execution of a
8 second application program;
9 transmit the first set of commands to the imaging device during a first time
10 interval; and
11 transmit the second set of commands to the imaging device during a second time
12 interval that does not overlap with the first time interval.

1 15. The article of claim 14, wherein one of the first and second applications
2 comprises a video image capture program.

1 16. The article of claim 14, wherein one of the first and second applications
2 comprises a still image capture program.

1 17. A method comprising:
2 setting up and capturing a first frame, including transmitting a first set of
3 commands;
4 setting up and capturing a second frame, including transmitting a second set of
5 commands; and
6 preventing the transmission of the first set of commands from being interleaved
7 with the transmission of the second set of commands.

1 18. The method of claim 17, wherein the act of preventing includes packaging
2 one of the first and second sets of commands together to form a command packet.

1 19. The method of claim 18, wherein the packaging comprises:
2 accumulating the first set of commands as the commands for the first set are being
3 generated; and
4 accumulating the second set of commands concurrently with the accumulation of
5 the first set of commands as the commands for the second set are being generated.

1 20. The method of claim 19, wherein one of the acts of accumulating the first
2 and second sets of commands comprises executing an application program.

1 21. The method of claim 19, wherein one of the acts of accumulating the first
2 and second sets of commands comprises executing a driver program.

1 22. An article comprising a computer readable storage medium including
2 instructions to cause a computer to:
3 set up and capture a first frame, including transmitting a first set of commands to
4 an imaging device;
5 set up and capture a second frame, including transmitting a second set of
6 commands to the imaging device; and
7 prevent the transmission of the first set of commands from being interleaved with
8 the transmission of the second set of commands.

1 23. The article of claim 22, comprising instructions to cause the computer to
2 prevent transmission of the first set of commands from being interleaved with the
3 transmission of the second set of commands by at least packaging one of the first and
4 second sets of commands together to form a command packet.

1 24. The article of claim 23, comprising instructions to cause the computer to
2 package by at least accumulating the first set of commands as the commands for the first
3 set are being generated and accumulating the second set of commands concurrently with
4 the accumulation of the first set of commands as the commands for the second set are
5 being generated.

1 25. A computer system comprising:
2 an imaging device; and
3 a processor to:

4 interact with the imaging device to set up and capture a first frame,
5 including transmitting a first set of commands to the imaging device;
6 interact with the imaging device to set up and capture a second frame,
7 including transmitting a second set of commands to the imaging device; and
8 prevent the transmission of the first set of commands from being
9 interleaved with the transmission of the second set of commands.

1 26. The computer system of claim 25, wherein the imaging device comprises a
2 camera.

1 27. The computer system of claim 25, wherein the processor prevents the
2 transmission of the first set of commands from being interleaved with the transmission of
3 the second set of commands by at least packaging one of the first and second sets of
4 commands together to form a command packet.

1 28. The computer system of claim 25, wherein the processor packages by at
2 least accumulating the first set of commands as the commands for the first set are being
3 generated and accumulating the second set of commands concurrently with the
4 accumulation of the first set of commands as the commands for the second set are being
5 generated.